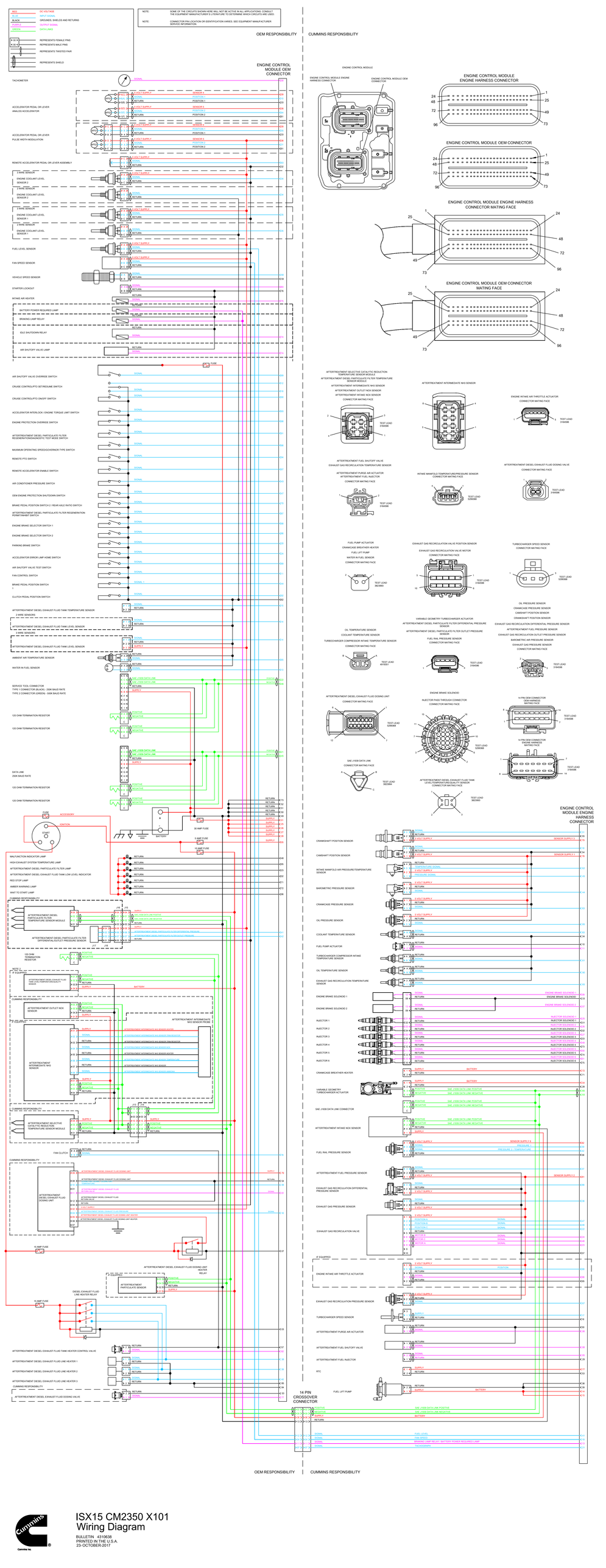
RED
DC VOLTAGE
BLUE
UNFILTERED
BLACK
GROUNDS, SHIELDS AND RETURNS
ORANGE
OUTPUT SIGNAL
GREEN
DATA LINKS
REPRESENTS FEMALE PINS
REPRESENTS MALE PINS
REPRESENTS TWISTED PAIR
REPRESENTS SHIELD
NOTE: SOME OF THE CIRCUITS SHOWN HERE WILL NOT BE ACTIVE IN ALL APPLICATIONS. CONSULT THE EQUIPMENT MANUFACTURER'S LITERATURE TO DETERMINE WHICH CIRCUITS ARE USED.
NOTE: CONNECTOR PIN LOCATION OR IDENTIFICATION VARIES. SEE EQUIPMENT MANUFACTURER SERVICE INFORMATION.
OEM RESPONSIBILITY
CUMMINS RESPONSIBILITY
ENGINE CONTROL MODULE OEM CONNECTOR
ENGINE CONTROL MODULE
ENGINE CONTROL MODULE ENGINE HARNESS CONNECTOR
ENGINE CONTROL MODULE OEM CONNECTOR
ENGINE CONTROL MODULE ENGINE HARNESS CONNECTOR MATING FACE
ENGINE CONTROL MODULE OEM CONNECTOR MATING FACE
TACHOMETER
ACCELERATOR PEDAL OR LEVER ANALOG ACCELERATOR
ACCELERATOR PEDAL OR LEVER PULSE WIDTH MODULATION
REMOTE ACCELERATOR PEDAL OR LEVER ASSEMBLY
ENGINE COOLANT LEVEL SENSOR 2
ENGINE COOLANT LEVEL SENSOR 1
FUEL LEVEL SENSOR
FAN SPEED SENSOR
VEHICLE SPEED SENSOR
STARTER LOCKOUT
INTAKE AIR HEATER
BATTERY POWER REQUIRED LAMP
BRAKING LAMP RELAY
IDLE SHUTDOWN RELAY
AIR SHUTOFF VALVE LAMP
AIR SHUTOFF VALVE OVERRIDE SWITCH
CRUISE CONTROL/PTO SET/RESUME SWITCH
CRUISE CONTROL/PTO ON/OFF SWITCH
ACCELERATOR INTERLOCK / ENGINE TORQUE LIMIT SWITCH
ENGINE PROTECTION OVERRIDE SWITCH
AFTERTREATMENT DIESEL PARTICULATE FILTER REGENERATION/DIAGNOSTIC TEST MODE SWITCH
MAXIMUM OPERATING SPEED/GOVERNOR TYPE SWITCH
REMOTE PTO SWITCH
REMOTE ACCELERATOR ENABLE SWITCH
AIR CONDITIONER PRESSURE SWITCH
OEM ENGINE PROTECTION SHUTDOWN SWITCH
BRAKE PEDAL POSITION SWITCH 2 / REAR AXLE RATIO SWITCH
AFTERTREATMENT DIESEL PARTICULATE FILTER REGENERATION PERMITTANCE SWITCH
ENGINE BRAKE SELECTOR SWITCH 1
ENGINE BRAKE SELECTOR SWITCH 2
PARKING BRAKE SWITCH
ACCELERATOR ERROR LAMP HOME SWITCH
AIR SHUTOFF VALVE TEST SWITCH
FAN CONTROL SWITCH
BRAKE PEDAL POSITION SWITCH 1
CLUTCH PEDAL POSITION SWITCH
AFTERTREATMENT DIESEL EXHAUST FLUID TANK TEMPERATURE SENSOR 2 WIRE SENSORS
AFTERTREATMENT DIESEL EXHAUST FLUID TANK LEVEL SENSOR 4 WIRE SENSORS
AFTERTREATMENT DIESEL EXHAUST FLUID TANK LEVEL SENSOR
AMBIENT AIR TEMPERATURE SENSOR
WATER IN FUEL SENSOR
SERVICE TOOL CONNECTOR TYPE 1 CONNECTOR (BLACK) - 250K BAUD RATE TYPE 2 CONNECTOR (GREEN) - 500K BAUD RATE
120 OHM TERMINATION RESISTOR
DATA LINK 250K BAUD RATE
FUSE
ACCESSORY
IGNITION
START
BATTERY
30 AMP FUSE
10 AMP FUSE
5 AMP FUSE
MALFUNCTION INDICATOR LAMP
HIGH EXHAUST SYSTEM TEMPERATURE LAMP
AFTERTREATMENT DIESEL PARTICULATE FILTER LAMP
AFTERTREATMENT DIESEL EXHAUST FLUID TANK LOW LEVEL INDICATOR
RED STOP LAMP
AMBER WARNING LAMP
WAIT TO START LAMP
CUMMINS RESPONSIBILITY
AFTERTREATMENT DIESEL PARTICULATE FILTER TEMPERATURE SENSOR MODULE
AFTERTREATMENT DIESEL PARTICULATE FILTER DIFFERENTIAL PRESSURE SENSOR
ON OEM TERMINATION RESISTOR
MOD 2 IF EQUIPPED
AFTERTREATMENT DIESEL EXHAUST FLUID TANK LEVEL/TEMPERATURE/QUALITY SENSOR
CUMMINS RESPONSIBILITY
AFTERTREATMENT OUTLET NOX SENSOR
IF EQUIPPED
AFTERTREATMENT INTERMEDIATE NO2 SENSOR
AFTERTREATMENT INTERMEDIATE NO2 SENSOR PROBE
CUMMINS RESPONSIBILITY
AFTERTREATMENT SELECTIVE CATALYTIC REDUCTION TEMPERATURE SENSOR MODULE
FAN CLUTCH
CUMMINS RESPONSIBILITY
AFTERTREATMENT DIESEL EXHAUST FLUID DOSING UNIT
15 AMP FUSE
AFTERTREATMENT DIESEL EXHAUST FLUID DOSING UNIT HEATER RELAY
AFTERTREATMENT PARTICULATE SENSOR
DIESEL EXHAUST FLUID LINE HEATER RELAY
15 AMP FUSE
AFTERTREATMENT DIESEL EXHAUST FLUID TANK HEATER CONTROL VALVE
AFTERTREATMENT DIESEL EXHAUST FLUID LINE HEATER 1
AFTERTREATMENT DIESEL EXHAUST FLUID LINE HEATER 2
AFTERTREATMENT DIESEL EXHAUST FLUID LINE HEATER 3
CUMMINS RESPONSIBILITY
AFTERTREATMENT DIESEL EXHAUST FLUID DOSING VALVE
AFTERTREATMENT SELECTIVE CATALYTIC REDUCTION TEMPERATURE SENSOR MODULE
AFTERTREATMENT DIESEL PARTICULATE FILTER TEMPERATURE SENSOR MODULE
AFTERTREATMENT INTERMEDIATE NO2 SENSOR
AFTERTREATMENT INTAKE NOX SENSOR
AFTERTREATMENT OUTLET NOX SENSOR
AFTERTREATMENT INTERMEDIATE NO2 SENSOR
AFTERTREATMENT DIESEL PARTICULATE FILTER DIFFERENTIAL PRESSURE SENSOR
AFTERTREATMENT DIESEL PARTICULATE FILTER OUTLET PRESSURE SENSOR
AFTERTREATMENT DIESEL EXHAUST FLUID TANK LEVEL/TEMPERATURE/QUALITY SENSOR
AFTERTREATMENT DIESEL EXHAUST FLUID DOSING UNIT
AFTERTREATMENT DIESEL EXHAUST FLUID DOSING UNIT HEATER